

1)which of these statements about spring Data JPA is true?

- a)it is IoC container to manage beans - A**
- b)it is meant to access data in a Redis store- A**
- c)it is one of the projects under the spring data umbrella - A**
- d)it is meant to work with data in graph spring databases

2)In the model view controller paradigm, which represents the component(or components)which encapsulate the application state?

- a)view - A**
- b)controller
- c)modelview
- d)model

3)which of these statements about spring boot is true? [more than one answer]

- a)it is an extension of the spring framework - A**
- b)it is the latest version of the spring framework
- c)it replaces the original spring model of development
- d)it makes developing spring easier - A**

4)what is the default port of Jenkins?

- a)8080 - A**
- b)80
- c)8088
- d)4200

5)what kind of HTTP request would you make to update an existing record in your database?

- a)HEAD
- b)OPTIONS
- c)PUT - A**
- d)POST

6) Which language can be used to define query when using the @query annotation in spring Data JPA?

a) java-QL

b) queryLang

c) JPQL - A

d) Golang

7) Which annotation is used to indicate that the class provides the mechanism for storage, retrieval, update, delete?

a) @controller

b) @component

c) @Repository - A

d) @service

8) In a spring boot application, which of the following annotations is a mix of @Configuration @EnableAutoconfiguration

a) @combineconfigurations

b) @springBootconfig

c) @Findconfigurations

d) @springbootApplication - A

9) Which package is required to use Java persistence annotations?

a) java.persist

b) apache.persistence

c) jpa.persistence

d) javax.persistence - A

10) What annotation would you apply to the component which holds business logic in your application?

a) @component

b) @controller

c) @service - A

d)@Repository

11. ____ the point at which we say a build is ready for deployment in to the production environment?

a)Build

b)test

c)Release - A

d)deploy

12)what is the file name built by gradle?

a)build.xml

b)config.gradle

c)pom.gradle

d)Build.gradle - A

13)what is the dependency descriptor, you should use in order to use the embedded tomcat server in spring boot?

a)spring-boot-starter-tomcat

b)spring-boot-starter

c)spring-boot-starter-web - A

d)spring-boot-starter-jetty

14)which of the following is true about AOP advice?

a)An action taken by an aspect at a particular join point - A

b)a point during the execution of a program

c)An aspect and a pointcut

d)A predicate that matches join points

15)what is the name of the default environment configuration file of spring Boot?

a)configuration.spring

b)configuration.yml

c)configuration.xml

d)application.properties - A

e)application.Json

16)Jenkins is a ____ tool.

a)continuous integration continuous Delivery - A

b)build

c)Deployment

d)Versioning

17)When creating an entity class in an APP which uses JPA ,you need to specify a variable of the class which serves as the primary key for its corresponding database table. Which of these JPA annotations can be used to mark this primary key?

a)@Entity

b)@primary key

c)@pkey

d)@id - A

18)which of the following is the IOC containers in spring?

a)Beanfactory,beancontext,locContextFactory

b)BeanFactory,applicationcontext - A

c)BeanFactory,applicationcontext,BeanContext

d)BeanFactory,applicationcontext,locContextFactory

19)Choose the two components with which Jenkins is more closely integrated? [more than one answer]

a)BUILD tools like Maven - A

b)Version controls system like Git and SVN(Apache Subversion) - A

c)Eclipse

d)VS Code

20)which attribute is used to set the scope of the bean?

a)set scope

b)scope - A

c)getscope

d)assignscope

21)which one of the following are non-stereotyped annotations in spring? [more than one answer]

a)@controller

b)@service

c)@Autowired - A

d)@qualifier - A

22)which is the type of the bean associated with a database connection when using JPA?

a)jpa.databse

b)javax.persistence.Databaseconnection - A

c)javax.sql.Databaseconnection

d)javax.sql.Datasource

23) which of the following are build automation tool? [more than one one]

a)Gradle - A

b)maven - A

c)jenkins

d)Docker

24) which of the following databases is not supported using JDBC Template?

A.Oracle

B.MySql

C.PostgresSql

D.MongoDB - A

25) ____ annotation is used to have more control over selection of bean to be injected

a)@Qualifier

b)@Require - A

c)@ Value

d)Each one these can be used

26) what is type returned by the findById() method implemented by default by a crudRepository?

a)list

b)string

c)the type mapped to the crudrepository - A

d)optional

27) ____ is the suite of plugins which supports implementing and integrating delivery pipelines into

a)jenkins pipeline - A

b)jenkins job

c)jenkins build

d)jenkins procedure

28) which tag in spring MVC will be used to activate spring mvc annotation scanning capability which allows to make use of @controller and @requestmapping etc?

a)<context:component-scan base-package="com.mphasis.controller"/>

b)<context:component-scan base-package="com.mphasis.controller"/> - A

c)<context:component-scan class-name="com.mphasis.controller"/>

d)<component:scan base-package="com.mphasis.controller"/>

29)which of the following are the features of devops?

a)automation - A

b)collaboration - A

c)integration

d)deployment

30) A ____ block defines a conceptually distinct subset of tasks performed through the entire pipeline.

a)stage - A

b)node

c)step

d)job

31) what is the spring MVC framework?

a) spring mvc framework is model-value- class architecture and used to bind model data with values

b)the spring web mvc framework provides model-view-controller architecture and ready components that can be web applications - A

c)spring mvc framework is used for transaction management for web applications

d)spring mvc framework is used for web application

32) @Autowired annotations can be applied to ____members in a class(More than 1 answer)

a)setters&getters

b)setters - A

c)constructors - A

d)fields

33) which of the following REST URI is used to retrieve all the users?

a)GIT/users

b)GET/used

c)GET/users - A

d)GIT/used

34. Which one of the following is a versioning tool?

a.GIT - A

b.MAVEN

c.JENKINS

d.DOCKER

35.What is the starter dependency descriptor, you should use in order to use the embedded Tomcat server in spring?

a.Spring-boot-starter-tomcat

b.Spring-boot-starter

c.Spring-boot-starter-web - A

d.Spring-boot-starter-jetty

36. Which spring module automatically provides implementations for crud operations on your database entities?

a.Spring security

b.Spring MVC

c.Spring data - A

d.Spring ORM

37. Which of the following databases is not supporting using JDBC Templates

a.Oracle

b.MySql

c.PostgresSql

d.MongoDB - A

38. Which of the following is not a DevOps tool?

a.Git

b.Jenkins

c.Maven

d.Grade

e.Eclipse - A

39. Refer the following code for a Java class.

```
1. package com.mphasis;
```



```
2. import javax.persistence.Entity.  
  
3. import javax.persistence.GeneratedValue,  
  
4. import javax.persistence.GenerationType;  
  
5. import javax.persistence.Id;  
  
6. // code goes here  
  
7. public class Customer {  
  
8. // code goes here  
  
9. // code goes here  
  
10. private Long id;  
  
11. private String firstName;  
  
12. private String lastName,  
  
// Setters and Getters  
  
}
```

Which of the following lines of code when added to Lines 6, 8, and 9 will enable mapping of the Java class with the database using the id field is managed by JPA during generation of records?

A)6. @Entity

8. @Id

9. @GeneratedValue(strategy=Generation Type AUTO) - A

B)6. @Table

8. @Id

9 @GeneratedValue(strategy=Generation Type AUTO)

C)6. @Table

8 @Identity

9 @GeneratedValue(strategy=Generation Type AUTO)

D)6 @Table

8 @Id

9. @AutoGenerated (strategy=Generation Type AUTO)

40. _____ is the factory class that is used to get the Session objects.

Options

a.SessionFactory - A

b.ConnectionFactory

c.Configuration

d.HibernateSession

41. Which is not a phase of Maven?

Options

a.validate

b.verify

c.run - A

d.compile

42. Which of the following method is available by default in any Crud Repository implementation?

Options

a.findByName()

b.findByEmail()

c.findAll()- A

d.findByPrimaryKey()

